Control of nonlinear flexible beam vibrations

Krysko V.A., Awrejcewicz J., Zhigalov M.V., Erofeev N.P.

ABSTRACT

Problems related to the analysis and control of Euler-Bernoulli beam vibrations are discussed in this work. The beam is subjected to a sign-changeable load, and the investigation is carried out using FEM in the form of Bubnov-Galerkin and fluctuation analysis.